TECHNICAL DATA SHEET

FLOREY® Sheared Steel Fiber

Sheared Steel Fiber

Fiber for Concrete and Mortar Reinforcement

Supplier: Luoyang Florey Import and Export Co., Ltd.

Website: www.floreyconcrete.com

Product Description

Sheared steel fibers are made from cold-rolled strip steel through shearing and indentation processes.

Applications

Used as a reinforcing fiber in concrete or mortar. Confirm suitability for the intended mix and application.

Product Specification

Item	Specification
Sheared corrugated type / Length	32-38 mm
Sheared corrugated type / Diameter	0.7±0.2 mm
Sheared corrugated type / Tensile strength	≥400 MPa
Sheared multi-point type / Length	32-38 mm
Sheared multi-point type / Diameter	0.7±0.2 mm
Sheared multi-point type / Tensile strength	≥600 MPa

Guidelines for Use

• General crack control (C25–C35, slabs, walls, ordinary floors): Fluted fibers 20–35 kg/m³; shear fibers 25–35 kg/m³; focused on basic crack resistance and workability.
• Heavy-duty floors / pavements (C30–C40, factories, logistics warehouses, municipal roads): Fluted fibers 30–50 kg/m³; shear fibers 35–50 kg/m³; enhances wear resistance and impact performance.
• Bridge pavements / box girders (C40–C50+): Fluted fibers 40–60 kg/m³; shear fibers 45–65 kg/m³; improves shear resistance and durability. High-strength elements can use fluted fibers 60–80 kg/m³ and shear fibers 55–75 kg/m³. Confirm fiber selection and dosage through project-specific mix trials.

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